

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Pongprayoon and Boriphat Methachan
Serial No. : 10/692,171
Filing Date : October 23, 2003
Group/Art Unit : 1794
Examiner : Ahmed, Sheeba
Confirmation No. : 8356
Docket No. : 820233.02310

For: **METHOD FOR MAKING AN ARTICLE WATER RESISTANT
AND ARTICLES MADE THEREFROM**

DECLARATION SUBMITTED UNDER 37 CFR § 1.132

Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

March 11, 2010

I, Edgar A. O'Rear III, do hereby declare the following:

I am an inventor and familiar with the contents of the above
referenced patent application.

I have an S.M. in Chemistry and a Ph.D. in Chemical Engineering and
consider myself to be one of ordinary skill in the art with respect to the
subject matter of the above referenced patent application.

I have read and understand the subject matter of the Office Action of
January 27, 2010.

The following comments are offered in support of the patentability of
the instant invention.

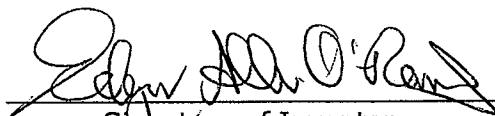
As one of ordinary skill in the art with respect to the subject matter of
the above referenced patent application, I would be able to conclude from
the Specification as originally filed and the combination of Paragraph [0071]

and Figures 14(a) and 14(b) that the coating is disposed on the surfaces of the individual fibers, thus creating spaces intervening between the individual, coated fibers (i.e. voids).

Furthermore, the ability of admicellar polymerization to modify surfaces while leaving voids present is well-established (Wu et al., *AIChE J.* **34**:1511-1517, 1988). Pore size distributions in porous alumina powder can be measured by capillary condensation with the de Boer cylindrical pore model theory. BET surface area decreases and pore sizes shift to smaller diameters after formation of the polymer layer inside the pores by admicellar polymerization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made or information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date 3/18/10


Signature of Inventor